

**DERWENT-ACC-NO: 1995-237963**

**DERWENT-WEEK: 199531**

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**TITLE: New organic electroluminescent device for  
plasma display  
panel/electroluminescent panel - comprises anode,  
cathode  
and organic material layer(s), protective layer on  
outer  
surface, sealing film with dispersed photosensitiser,  
etc.**

**PATENT-ASSIGNEE: IDEMITSU KOSAN CO LTD[IDEK]**

**PRIORITY-DATA: 1993JP-0295195 (November 25, 1993)**

**PATENT-FAMILY:**

<b>PUB-NO</b>	<b>PUB-DATE</b>	<b>LANGUAGE</b>	<b>PAGES</b>
<b>MAIN-IPC</b>			
<b>JP 07147189 A</b>	<b>June 6, 1995</b>	<b>N/A</b>	<b>057</b>
<b>H05B 033/04</b>			

**APPLICATION-DATA:**

<b>PUB-NO</b>	<b>APPL-DESCRIPTOR</b>	<b>APPL-NO</b>
<b>APPL-DATE</b>		
<b>JP 07147189A</b>	<b>N/A</b>	<b>1993JP-0295195</b>
<b>November 25, 1993</b>		

**INT-CL (IPC): C09K011/02, C09K011/06 , H05B033/04**

**ABSTRACTED-PUB-NO: JP 07147189A**

**BASIC-ABSTRACT:**

**The new organic electroluminescent device consists of an anode, a cathode and organic material layer(s). A protective layer having a thickness of 10 nm-100 nm is provided on the outer surface of the device. A sealing film having a dispersed photosensitiser and a dispersed cpd. to be oxidised is provided on the protective layer. The cpd. to be oxidised is oxidised by oxygen.**

**USE - The new organic electroluminescent device is used for a plasma panel or an electroluminescent panel.**

**ADVANTAGE - The use of the protective layer and the specific sealing film dramatically depresses deterioration due to oxygen. The resulting organic electroluminescent device has a very prolonged life.**

**CHOSEN-DRAWING: Dwg.1/1**

**TITLE-TERMS: NEW ORGANIC ELECTROLUMINESCENT DEVICE  
PLASMA DISPLAY PANEL**

**ELECTROLUMINESCENT PANEL COMPRISE ANODE  
CATHODE ORGANIC MATERIAL  
LAYER PROTECT LAYER OUTER SURFACE SEAL FILM  
DISPERSE  
PHOTOSENSITISER**

**DERWENT-CLASS: E19 L03 U14**

**CPI-CODES: E06-D02; E08-D03; E10-D01D; E10-F02A2; E10-J02B4;  
E23-B; E25-B03;  
E25-E02; L03-H04A;**

**EPI-CODES: U14-J02B;**

**CHEMICAL-CODES:**

**Chemical Indexing M3 \*09\***

**Fragmentation Code**

**A212 A960 C710 D011 D013 D019 D023 E350 H7 H715  
H721 H722 J0 J012 J2 J251 J271 J411 J5 J561  
M210 M211 M212 M226 M232 M240 M272 M282 M283 M312  
M321 M332 M342 M372 M391 M411 M424 M511 M520 M530  
M540 M630 M740 M782 M903 M904 Q454**

**Ring Index**

**06561**

**Specific Compounds**

**09012M 10075M 10092M**

**Chemical Indexing M4 \*10\***

**Fragmentation Code**

**A212 A960 C710 D011 D013 D019 D023 E350 H7 H715  
H721 H722 J0 J012 J2 J251 J271 J411 J5 J561  
M210 M211 M212 M226 M232 M240 M272 M282 M283 M312  
M321 M332 M342 M372 M391 M411 M424 M511 M520 M530  
M540 M630 M740 M782 M903 M904 Q454 W002 W030 W314  
W335**

**Ring Index**

**06561**

**Specific Compounds**

**09012M 10075M 10092M**

**Chemical Indexing M3 \*11\***

**Fragmentation Code**

C108 D011 D023 D024 D029 D210 G011 G018 G100 H341  
H342 H401 H402 H441 H442 H6 H602 H603 H604 H608  
H609 H642 H643 J0 J011 J1 J131 K0 L7 L730  
M1 M113 M280 M320 M412 M424 M511 M520 M531 M540  
M740 M782 M903 M904 Q454 R043  
Markush Compounds  
199531-E3601-M

**Chemical Indexing M3 \*13\***

**Fragmentation Code**

G013 G022 G100 G221 G331 H4 H401 H441 H5 H541  
H8 M210 M211 M212 M272 M281 M320 M414 M424 M510  
M520 M531 M540 M740 M782 M903 M904 Q454 R043

**Markush Compounds**

199531-E3602-M

**Chemical Indexing M3 \*01\***

**Fragmentation Code**

G010 G100 J4 J431 M280 M320 M414 M424 M510 M520  
M531 M540 M740 M782 M903 M904 M910 Q454 R043

**Specific Compounds**

00715M

**Registry Numbers**

0715U

**Chemical Indexing M3 \*02\***

**Fragmentation Code**

G010 G100 J5 J581 M210 M211 M262 M281 M320 M414  
M424 M510 M520 M531 M540 M740 M782 M903 M904 M910  
Q454 R043

**Specific Compounds**

00675M

**Registry Numbers**

0675U

**Chemical Indexing M3 \*03\***

**Fragmentation Code**

**G010 G019 G100 J5 J581 M1 M121 M131 M150 M280  
M320 M414 M424 M510 M520 M532 M540 M740 M782 M903  
M904 M910 Q454 R043**

**Specific Compounds**

**00994M**

**Registry Numbers**

**0994U**

**Chemical Indexing M3 \*04\***

**Fragmentation Code**

**G000 G310 M280 M320 M414 M424 M510 M520 M531 M540  
M610 M740 M782 M903 M904 M910 Q454 R043**

**Specific Compounds**

**00528M**

**Registry Numbers**

**0528U**

**Chemical Indexing M3 \*05\***

**Fragmentation Code**

**D000 D621 M280 M320 M412 M424 M511 M520 M530 M540  
M740 M782 M903 M904 M910 Q454 R043**

**Specific Compounds**

**00579M**

**Registry Numbers**

**0579U**

**Chemical Indexing M3 \*06\***

**Fragmentation Code**

**G000 G221 M280 M320 M414 M424 M510 M520 M531 M540  
M610 M740 M782 M903 M904 M910 Q454 R043**

**Specific Compounds**

**00578M**

**Registry Numbers**

**0578U**

**Chemical Indexing M3 \*07\***

**Fragmentation Code**

**D015 E350 G010 G019 G100 M1 M113 M119 M280 M320  
M412 M424 M511 M520 M533 M540 M740 M782 M903 M904  
Q454 R043**

**Ring Index**

**05479**

**Specific Compounds**

**11522M**

**Chemical Indexing M3 \*08\***

**Fragmentation Code**

**G010 G019 G022 G029 G113 G420 M1 M112 M119 M280  
M320 M414 M424 M510 M520 M533 M540 M610 M740 M782  
M903 M904 Q454 R043**

**Specific Compounds**

**06044M**

**Chemical Indexing M4 \*12\***

**Fragmentation Code**

**C108 D011 D023 D024 D029 D210 G011 G018 G100 H341  
H342 H401 H402 H441 H442 H6 H602 H603 H604 H608  
H609 H642 H643 J0 J011 J1 J131 K0 L7 L730  
M1 M113 M280 M320 M412 M424 M511 M520 M531 M540  
M740 M782 M903 M904 Q454 R043 W003 W030 W323 W335**

**Markush Compounds**

**199531-E3601-M**

**UNLINKED-DERWENT-REGISTRY-NUMBERS: 0528U; 0578U ; 0579U  
; 0675U ; 0715U ; 0994U  
; 1594U ; 1934U ; 1990U ; 2003U**

**SECONDARY-ACC-NO:**

**CPI Secondary Accession Numbers: C1995-109530**

**Non-CPI Secondary Accession Numbers: N1995-185427**